

## CTNLV32F

### Series

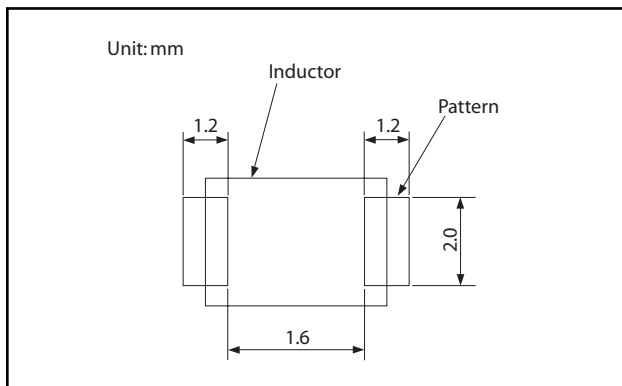
From 0.10  $\mu$ H to 470  $\mu$ H



#### CHARACTERISTICS

- Description:** Ferrite core, wire-wound molded chip inductor.
- Applications:** TVs, VCRs, disk drives, computer peripherals, telecommunication devices and electronic control boards for automobiles.
- Operating Temperature:** -25°C to +85°C
- Inductance Tolerance:**  $\pm 5\%$ ,  $\pm 10\%$ ,  $\pm 20\%$
- Testing:** Inductance and Q are tested on a HP4285A or HP4286A at specified frequency.
- Packaging:** Tape & Reel.
- Marking:** Parts are marked with inductance code.
- Miscellaneous:** **RoHS Compliant.**
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available. See website for ordering information.**

#### PAD LAYOUT



#### SPECIFICATIONS

Please specify tolerance code when ordering.  
 CTNLV32F-R10\_  $\leftarrow$  J =  $\pm 5\%$  K =  $\pm 10\%$ , M =  $\pm 20\%$   
 \*Rated DC: Inductance shall be less than 10% of the initial value with current applied.

Part Number	Inductance ( $\mu$ H)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	*Rated DC (mA)
CTNLV32F-R10_	.10	100	28	100	700	.44	450
CTNLV32F-R12_	.12	25.2	30	25.2	500	.22	450
CTNLV32F-R15_	.15	25.2	30	25.2	450	.25	450
CTNLV32F-R18_	.18	25.2	30	25.2	400	.28	450
CTNLV32F-R22_	.22	25.2	30	25.2	350	.32	450
CTNLV32F-R27_	.27	25.2	30	25.2	320	.36	450
CTNLV32F-R33_	.33	25.2	30	25.2	300	.40	450
CTNLV32F-R39_	.39	25.2	30	25.2	250	.45	450
CTNLV32F-R47_	.47	25.2	30	25.2	220	.50	450
CTNLV32F-R56_	.56	25.2	30	25.2	180	.55	450
CTNLV32F-R68_	.68	25.2	30	25.2	160	.60	450
CTNLV32F-R82_	.82	25.2	30	25.2	140	.65	450
CTNLV32F-1R0_	1.0	7.96	30	7.96	120	.70	400
CTNLV32F-1R2_	1.2	7.96	30	7.96	100	.75	390
CTNLV32F-1R5_	1.5	7.96	30	7.96	85	.85	370
CTNLV32F-1R8_	1.8	7.96	30	7.96	80	.90	350
CTNLV32F-2R2_	2.2	7.96	30	7.96	75	1.0	320
CTNLV32F-2R7_	2.7	7.96	30	7.96	70	1.1	290
CTNLV32F-3R3_	3.3	7.96	30	7.96	60	1.2	260
CTNLV32F-3R9_	3.9	7.96	30	7.96	55	1.3	250
CTNLV32F-4R7_	4.7	7.96	30	7.96	50	1.5	220
CTNLV32F-5R6_	5.6	7.96	30	7.96	47	1.6	200
CTNLV32F-6R8_	6.8	7.96	30	7.96	43	1.8	180
CTNLV32F-8R2_	8.2	7.96	30	7.96	40	2.0	170
CTNLV32F-100_	10	2.52	30	2.52	36	2.1	150
CTNLV32F-120_	12	2.52	30	2.52	33	2.5	140
CTNLV32F-150_	15	2.52	30	2.52	30	2.8	130
CTNLV32F-180_	18	2.52	30	2.52	27	3.3	120
CTNLV32F-220_	22	2.52	30	2.52	25	3.7	110
CTNLV32F-270_	27	2.52	30	2.52	20	5.0	80
CTNLV32F-330_	33	2.52	30	2.52	17	5.6	70
CTNLV32F-390_	39	2.52	30	2.52	16	6.4	65
CTNLV32F-470_	47	2.52	30	2.52	15	7.0	60
CTNLV32F-560_	56	2.52	30	2.52	13	8.0	55
CTNLV32F-680_	68	2.52	30	2.52	12	9.0	50
CTNLV32F-820_	82	2.52	30	2.52	11	10	45
CTNLV32F-101_	100	.796	20	.796	10	10	40
CTNLV32F-121_	120	.796	20	.796	10	11	70
CTNLV32F-151_	150	.796	20	.796	8.0	15	65
CTNLV32F-181_	180	.796	20	.796	7.0	17	60
CTNLV32F-221_	220	.796	20	.796	7.0	21	50
CTNLV32F-271_	270	.796	20	.796	6.0	28	45
CTNLV32F-331_	330	.796	20	.796	5.0	34	40
CTNLV32F-391_	390	.796	20	.796	5.0	36	35
CTNLV32F-471_	470	.796	20	.796	4.0	40	25

#### PHYSICAL DIMENSIONS

Size	A	B	C	D	E Ref.
mm	3.2 $\pm$ 0.2	2.5 $\pm$ 0.2	2.2 $\pm$ 0.2	1.7 $\pm$ 0.2	0.7
inches	0.13 $\pm$ 0.008	0.10 $\pm$ 0.008	0.09 $\pm$ 0.008	0.07 $\pm$ 0.008	0.028

